

IN THE CLAIMS

1. (Currently Amended) A method of treating dental ~~earries~~caries and remineralizing lesions, said method comprising the steps of:

directing a stream comprising an oxidizing gas onto a carious lesions for a period of time sufficient to kill microorganisms within the carious lesion; and

thereafter applying to the lesion a remineralization formulation comprising:

| <u>INGREDIENT</u>                  | <u>PERCENT W/W</u> |
|------------------------------------|--------------------|
| Water                              | 16.5576            |
| Sorbitol 70%NF                     | 21.5933            |
| Sodium Benzoate NF                 | 0.5000             |
| PVP                                | 2.0000             |
| Sodium Tripolyphosphate            | 3.0000             |
| Titanium Dioxide                   | 1.0000             |
| Sodium Monofluorophosphate         | 0.2400             |
| Xylitol                            | 0.4000             |
| Zinc Chloride                      | 0.7500             |
| Sodium Citrate USP                 | 2.6000             |
| Methyl Paraben                     | 0.1200             |
| Dicalcium Phosphate, Dihydrate USP | 12.0000            |
| Glycerin, 99.7%                    | 17.8890            |
| Carboxymethylcellulare             | 0.9000             |
| Hydrated Silica                    | 14.125             |
| Sodium Lauryl Sulfate              | 0.6000             |
| Sodium Methyl Cocoyl Taurate       | 0.6000             |
| Riboflavin                         | 0.0001             |
| Flavor                             | 2.0000             |
| Chlorine Dioxide Solution, 2%      | 3.1250             |
|                                    | 100.0000           |

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) ~~The A method according to claim 3 wherein the formulation comprising of treating dental caries remineralizing lesions, said method comprising the steps of:~~

directing a stream comprising an oxidizing gas onto a carious lesions for a period of time sufficient to kill microorganisms within the carious lesion; and

thereafter applying to the lesion a remineralization formulation comprising:

| <u>Ingredient</u>                                      | <u>Percent w/w</u> |
|--|--------------------|
| Deionized Water  | 93.4800            |
| Sodium Benzoate  | 0.3000             |
| Sodium Fluoride  | 0.2400             |
| Xylitol  | 1.0000             |
| Zinc Chloride  | 0.5000             |
| Sodium Citrate   | 1.5000             |
| Methylparaben  | 0.0800             |
| <del>Tauranol WS HPS</del> <u>Sodium Methyl Cocoyl</u> |                    |
| <u>Taurate</u>   | 0.7500             |
| Flavor   | 0.8000             |
| Poloxamor 407  | 1.2500             |
| <del>FD&amp;C Blue #1</del>                            | <del>-0.0000</del> |
| Citric Acid  | 0.1000             |
|  | 100.0000           |

Claims 6-27 cancelled.